ENSR International

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April 1, 2005

Mr. Craig Hunt
Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 94503-2097

RE: Quarterly Groundwater Monitoring Results Report, First Quarter 2005
Former Unocal Bulk Plant No. 0813
122 Leslie Street, Ukiah California
RWQCB No. 1NMC405

Dear Mr. Hunt:

ENSR Corporation (ENSR) has been authorized by Union Oil Company of California (Unocal) to perform quarterly groundwater monitoring at the site located at 122 Leslie Street, Ukiah, California (**Figure 1**). The site is a former bulk plant with a chain link fence around its perimeter. The locations of former and current site features are illustrated on **Figure 2**. Quarterly groundwater monitoring is intended to evaluate the distribution of petroleum hydrocarbon constituents in groundwater beneath the site. This report summarizes results of the samples collected from the site during the first quarter 2005. The work was performed in accordance with the field methods and procedures included in **Attachment A**.

Groundwater Level Measurements

Depth to groundwater levels were measured in monitoring wells MW-1 through MW-9 on February 11, 2005 and are presented in **Table 1.** The groundwater elevations were used to construct a groundwater elevation contour map included as **Figure 3**. The groundwater flow direction was generally southeast with an average hydraulic gradient of approximately 0.006 feet per foot (ft/ft). Copies of the groundwater sampling information sheets are included in **Attachment B**. A summary of groundwater elevations measured to date is presented in **Table 1**.

Groundwater Sampling and Analytical Results

Groundwater samples were collected from monitoring wells MW-1 through MW-9 on February 11, 2005. Groundwater samples were submitted to California Laboratory Services in Rancho Cordova, California (a state-certified laboratory) under chain of custody protocol. Samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015M, total recoverable petroleum hydrocarbons (TRPH) as oil and grease by EPA Method 1664, and total lead by EPA Method 200.7 or 200.8.

Cumulative groundwater sampling results are summarized in **Table 1**. A map depicting dissolved concentrations of TPHg, TPHd, and benzene in groundwater for the first quarter 2005 is included as **Figure 4**. A copy of the certified laboratory analytical report with chain-of-custody documentation is included in **Attachment C**.

Conclusions/Recommendations

Elevated levels of TPHd continue to be detected in monitoring wells MW-1, MW-2, and MW-3 with a maximum concentration of 11,000 micrograms per liter (μg/L) in MW-1. TPHg continues to be detected in monitoring wells MW-1 and MW-2 with a maximum concentration of 610 μg/L in MW-1. Benzene concentrations were not detected above the laboratory reporting limits in any monitoring wells sampled during the first quarter 2005 event.

ENSR recommends that the monitoring and sampling of groundwater at the site should continue.

Future Work

The next quarterly groundwater monitoring and sampling event is scheduled for May 2005.

In a letter dated November 20, 2003, the Regional Water Quality Control Board, North Coast Region (RWQCB) approved a Corrective Action Plan prepared by Environmental Resolutions, Inc. (ERI) dated June 18, 2003. On May 20, 2004, the (RWQCB) verbally approved a remedial design plan (RDP) prepared by ERI and reviewed by ENSR dated February 3, 2004, for the subject site. The approved remedial options were ozone microsparging (C-Sparge™) and soil vapor extraction (SVE).

In late July 2003, ERI installed the nine C-Sparge/SVE wells associated with the remediation system at the site. Upon review of the completion depths of the C-Sparge/SVE wells, ENSR feels that the C-Sparge wells may be set too deep to effectively remediate the groundwater beneath the site. In a telephone conversation with the RWQCB on October 14, 2004, ENSR proposed collecting groundwater samples from selected on-site C-Sparge wells for chemical analysis to determine if the groundwater has been impacted at the screened interval depths (approximately 32 to 35 feet below ground surface) of the C-Sparge wells. Based on the analytical results, ENSR submitted a *Revised Remedial Design Plan* dated December 7, 2004. Following agency approval, ENSR will schedule and begin implementation of the RDP.

In January 2005, ENSR received approved permits to install the additional nine sparge wells and permits associated with the ozone system installation including encroachment, building, and electrical and a business license. The nine additional sparge wells were installed during the week of January 10, 2005.

Following the installation of the new air sparge wells, ENSR conducted an ozone generator pressure test with the equipment manufacturer to determine the source of the leak found in the ozone generator. The source of leak was found by the manufacturer, and repaired. ENSR is currently in the final stages of construction of the ozone sparging system. Startup testing and subsequent full-scale system operation is planned for mid-April 2005. Startup testing will be conducted according to the Water Quality Sampling and Analysis Plan/Ozone Sparging Startup Testing Plan submitted to the RWQCB on December 29, 2004.

Remarks/Signatures

The interpretations in this report represent our professional opinions and are based, in part, on the information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended. If you have any questions regarding this project, please contact Paul Wadding at (916) 362-7100.

Sincerely,
ENSR Corporation

Paul R. Wadding, P.E.
Project Manager

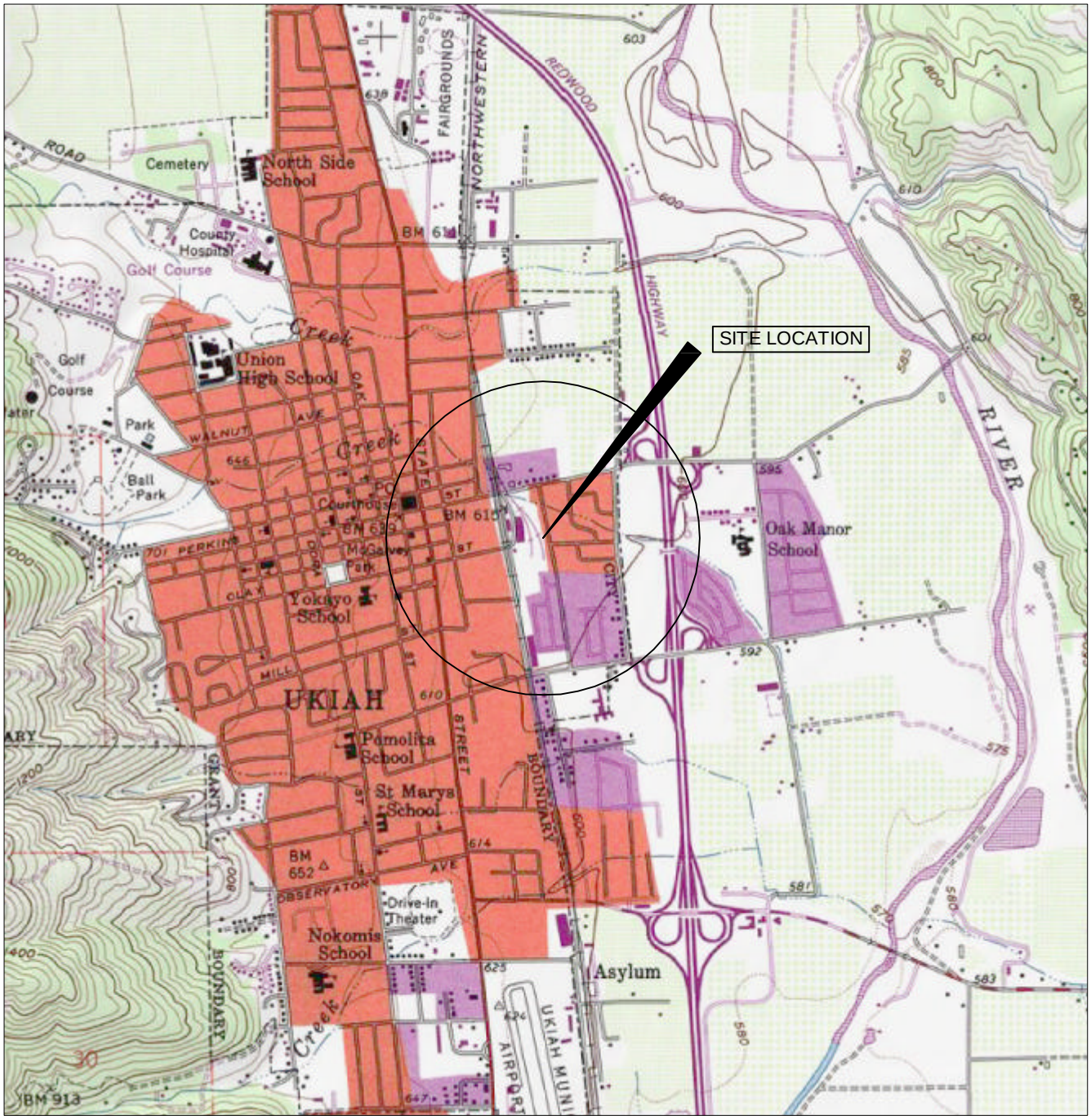
John M. Warren, R.C.E. No. 34168
Senior Program Manager

KH/dk

Ref. 06940-264-100

Attachments

cc: Mr. John Frary, Union Oil Company of California



Map created with TOPO - 2003 National Geographic

MAP LOCATION

SOURCE: BASE MAP FROM USGS UKIAH, CA
7.5 MINUTE TOPOGRAPHIC 1975

N

0 2000

Approximate Scale in Feet

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SITE LOCATION MAP

Former UNOCAL Bulk Plant 0813
122 Leslie Street
Ukiah, California

DRAWN BY	DATE	PROJECT NUMBER
G BORCHARDT	12/18/2003	06940-264

FIGURE

1

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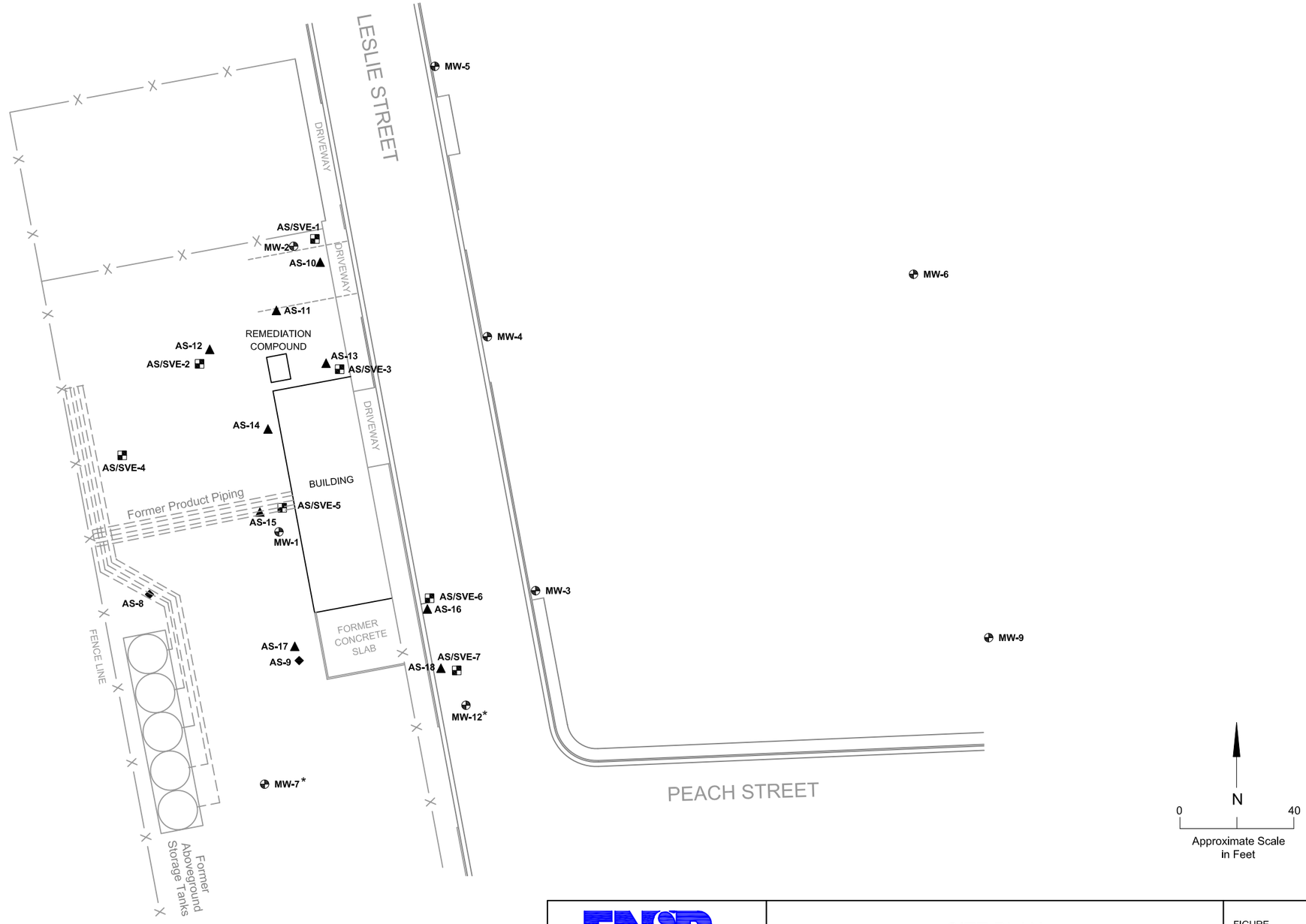

SOURCE: DRAWING PARTIALLY PREPARED FROM INFORMATION PROVIDED BY PREVIOUS CONSULTANTS.

- MW-9 GROUNDWATER MONITORING WELL
- MW-7* D.Z., INC. GROUNDWATER MONITORING WELL
- SPARGE WELL (LOWER AQUIFER)
- AS/SVE WELL
- AS-10 SPARGE WELL (UPPER AQUIFER)

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SITE PLAN

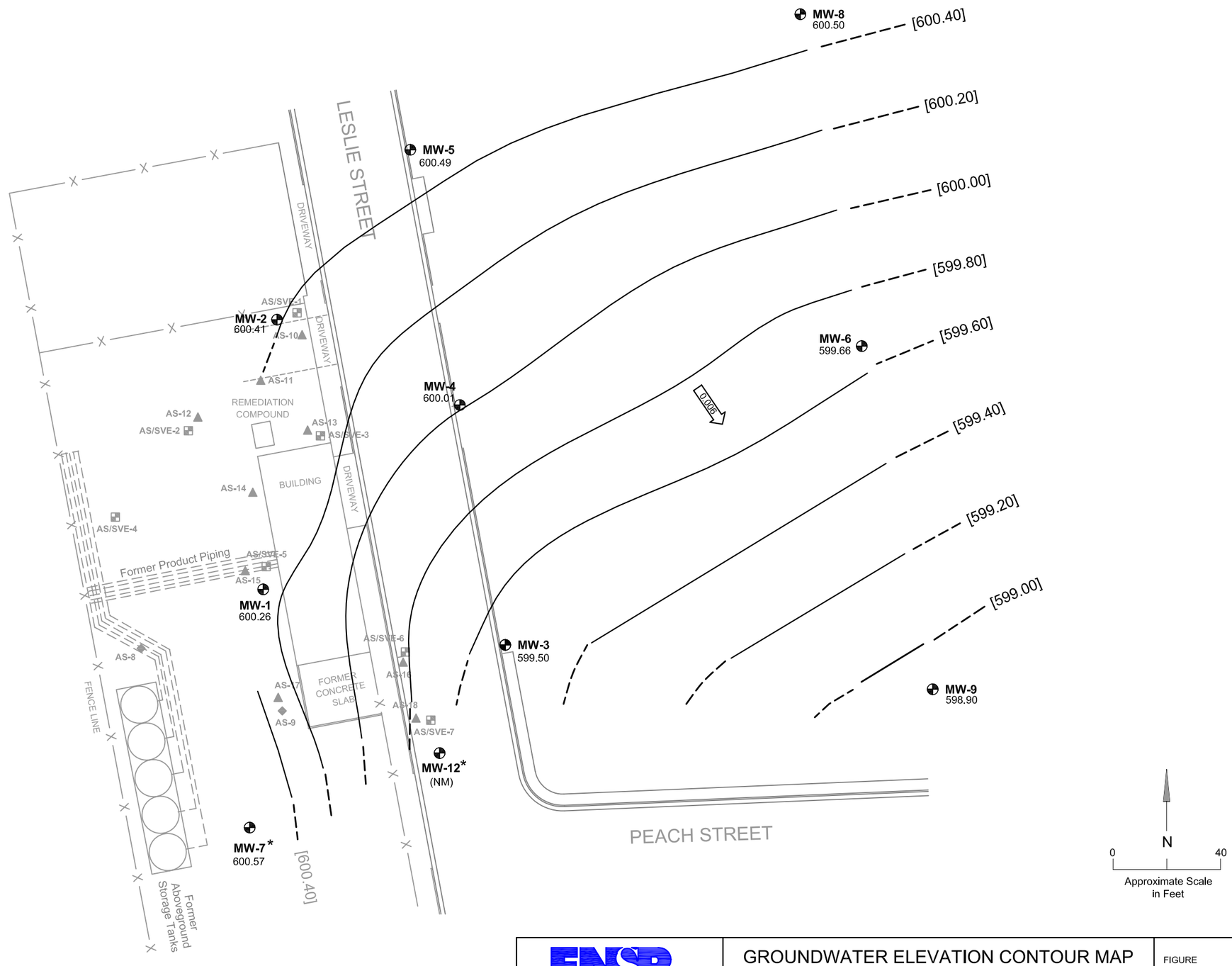
Former UNOCAL Station 0813
122 Leslie Street
Ukiah, California

Quarterly Monitoring Report
1st Quarter 2005

DRAWN BY	REVIEWED BY	DATE	PROJECT NUMBER
D PARTIDA		3/21/2005 PR	06940-264

FIGURE 2

J:\Projects\06940\0813-264\Working\CAD\1Q05\0813_SITEPLAN 1Q05 FIG2.dwg, 4/26/2005 8:35:56 AM



SOURCE: DRAWING PARTIALLY PREPARED FROM INFORMATION PROVIDED BY PREVIOUS CONSULTANTS.

MW-9	GROUNDWATER MONITORING WELL
MW-7*	D.Z., INC. GROUNDWATER MONITORING WELL
◆	SPARGE WELL (LOWER AQUIFER)
▪	AS/SVE WELL
▲ AS-10	SPARGE WELL (UPPER AQUIFER)
600.26	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
[599.00]	GROUNDWATER ELEVATION CONTOUR
0.006	APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT IN Ft/Ft

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GROUNDWATER ELEVATION CONTOUR MAP FEBRUARY 11, 2005

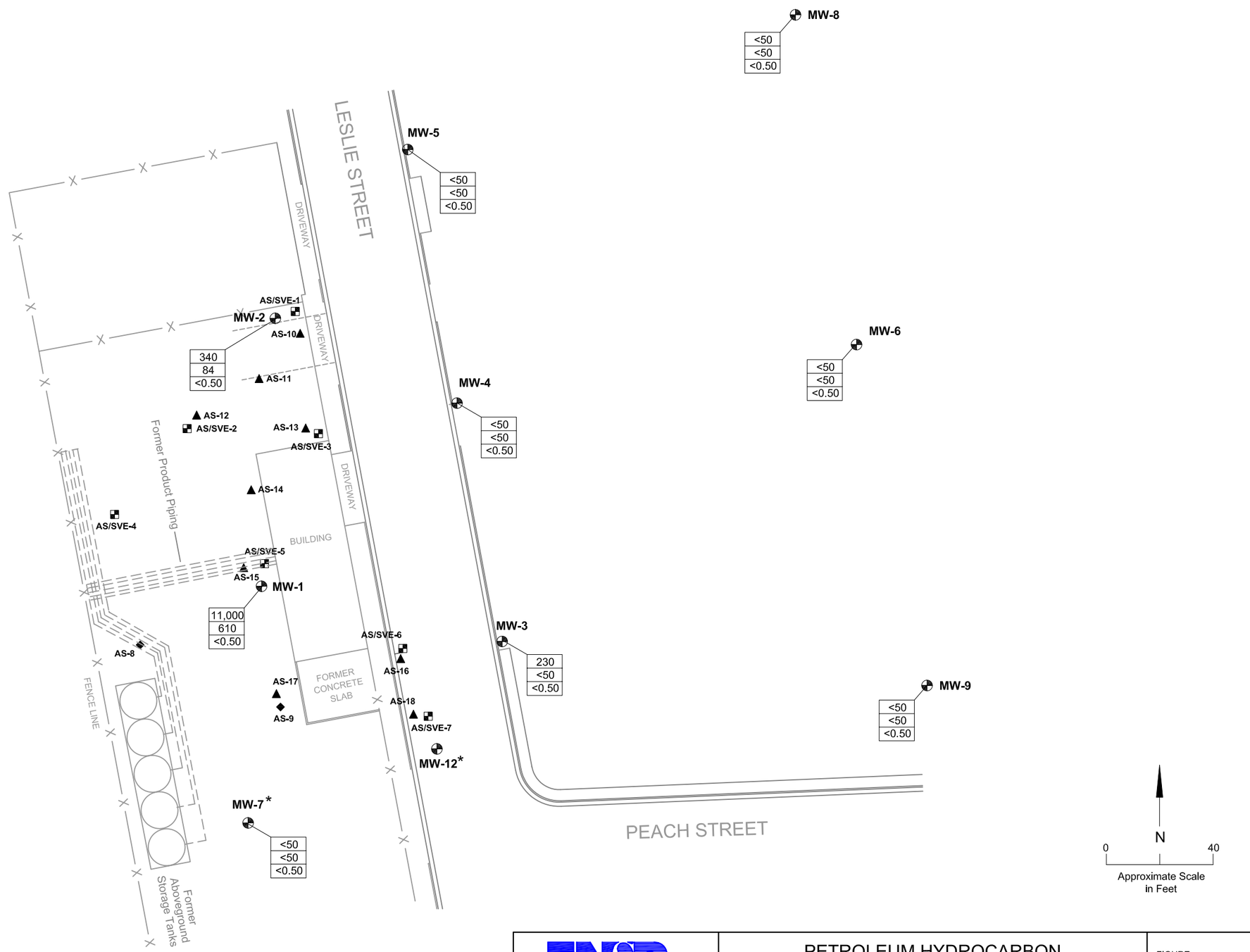
FIGURE 3

Former UNOCAL Station 0813
122 Leslie Street
Ukiah, California

Quarterly Monitoring Report
1st Quarter 2005

DRAWN BY	REVIEWED BY	DATE	PROJECT NUMBER
D PARTIDA		3/21/2005 PR	06940-264

J:\Projects\06940\0813-264\Working\CAD\1Q05\0813 GW ELEV 1Q05 FIG3.dwg, 4/26/2005 8:37:56 AM



SOURCE: DRAWING PREPARED FROM INFORMATION PROVIDED BY PREVIOUS CONSULTANTS.

- MW-9 GROUNDWATER MONITORING WELL
- MW-7* D.Z., INC. GROUNDWATER MONITORING WELL
- AIR SPARGE WELL
- AS/SVE WELL
- AS-10 SPARGE WELL (UPPER AQUIFER)

<50	TPHd
<50	TPHg
<0.50	BENZENE

NOTE: ALL CONCENTRATIONS IN MICROGRAMS PER LITER

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PETROLEUM HYDROCARBON CONCENTRATION MAP FEBRUARY 11, 2005

Former UNOCAL Station 0813
122 Leslie Street
Ukiah, California

Quarterly Monitoring Report
1st Quarter 2005

DRAWN BY	REVIEWED BY	DATE	PROJECT NUMBER
D PARTIDA		3/21/2005 PR	06940-264

FIGURE 4

J:\Projects\06940\0813-264\Working\CAD\1Q05\0813 GW CONC 1Q05 FIG4.dwg, 4/26/2005 8:38:44 AM

Table 1

Groundwater Monitoring Data and Analytical Results

Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPHd (ug/L)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	T. Lead (ug/L)	TOG (ug/L)	PRE-PURGE D.O. (mg/L)
MW-1												
607.93	08/07/02[1]	16.11	591.82	1,400	370[2]	<0.50	<0.50	1.3	<0.50	<75	<5,000	--
	11/13/02	17.35	590.58	1,500	740	<0.50	<0.50	6.7	<0.50	<75	<5,000	--
	02/28/03	7.26	600.67	1,100	89	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	04/30/03	4.29	603.64	570	640	<0.50	<0.50	1.8	<0.50	<75	<5,000	--
	08/21/03	13.93	594.00	690	180	1.5	<0.50	0.87	2.1	<50	<5,000	**--**
	11/13/03	20.25	587.68	3,100	410	<0.50	<0.50	0.64	<0.50	<75	<5,000	--
	03/15/04	6.65	601.28	4,900	230 [4]	<0.50	<0.50	<0.50	2.0	7.6	<5,000	**--**
	05/19/04	10.50	597.43	8,600	720	<0.50	<0.50	3.8	3.7	9.0	5,000	--
	08/11/04	16.81	591.12	25,000	470 [4]	1.4	<1.0 [6]	2.2	4.5	15	<5,000	--
	11/11/04	17.73	590.20	5,500	750 [4]	1.3	4.1	11	6.4	6.8	<5,000	--
	02/11/05	**7.67**	**600.26**	**11,000**	**610 [4]**	**<0.50**	**0.62**	**2.5**	**3.4**	**<5.0**	**<5,000**	**--**
MW-2												
607.78	08/07/02[1]	17.35	590.43	260	170[2]	<0.50	<0.50	0.91	<0.50	<75	<5,000	--
	11/13/02	20.23	587.55	2,100	1,200	<1.0	<1.0	19	<1.0	<75	<5,000	--
	02/28/03	7.55	600.23	1,500	330	<0.50	<0.50	2.4	0.57	<75	<5,000	--
	04/30/03	4.87	602.91	1,500	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,100	--
	08/21/03	14.54	593.24	3,100[2]	160	<0.50	0.60	1.1	4.0	<50	<5,000	**--**
	11/13/03	21.04	586.74	450	160	<0.50	<0.50	0.67	<0.50	<75	<5,000	--
	03/15/04	7.13	600.65	500	57 [4]	<0.50	<0.50	<0.50	<1.0	8.4	<5,000	**--**
	05/19/04	10.77	597.01	640	72	<0.50	<0.50	1.7	2.9	6.9	<5,000	--
	08/11/04	18.00	589.78	1,300	69 [4]	<0.50	<0.50	0.88	2.0	12	<5,000	--
	11/11/04	20.08	587.70	240	94 [4]	<0.50	0.99	2.0	2.5	<5.0	<5,000	--
	02/11/05	**7.37**	**600.41**	**340**	**84 [4]**	**<0.50**	**0.87**	**1.5**	**<1.0**	**<5.0**	**<5,000**	**--**

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Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPHd (ug/L)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	T. Lead (ug/L)	TOG (ug/L)	PRE-PURGE D.O. (mg/L)
MW-3												
607.14	08/07/02[1]	17.29	589.85	28,000	1,300[2]	<0.50	<0.50	7.8	<0.50	360	5,300	--
	11/13/02	20.73	586.41	9,100	570	<5.0	<5.0	<5.0	<5.0	<75	5,400	--
	02/28/03	7.78	599.36	220	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	04/30/03	5.04	602.10	420	56	<0.50	<0.50	1.0	<0.50	<75	<5,000	--
	08/21/03	14.45	592.69	460	71	1.6	<0.50	<0.50	1.1	<50	<5,000	**--**
	11/13/03	21.45	585.69	1,300	260	2.4	<0.50	<0.50	<0.50	<75	<5,000	--
	03/15/04	7.38	599.76	360	87	0.71	<0.50	<0.50	<1.0	<5.0	<5,000	**--**
	05/19/04	10.90	596.24	430	110	<0.50	0.74	0.99	<1.0	<5.0	<5,000	--
	08/11/04	17.88	589.26	1,200	140 [4]	<0.50	0.56	1.3	2.4	<5.0	<5,000	--
	11/11/04	20.30	586.84	1,900	310 [4]	0.77	1.1	5.6	4.5	<5.0	<5,000	--
	02/11/05	**7.64**	**599.50**	**230**	**<50**	**<0.50**	**0.59**	**0.82**	**<1.0**	**<5.0**	**<5,000**	**--**
MW-4												
607.29	08/07/02[1]	17.16	590.13	69	<50	<0.50	<0.50	<0.50	<0.50	540	<5,000	--
	11/13/02	20.35	586.94	130	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	02/28/03	7.49	599.80	240	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	04/30/03	4.82	602.47	240	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,100	--
	08/21/03	14.54	592.75	120[2]	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000	**--**
	11/13/03	21.25	586.04	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*	NS*
	03/15/04	7.02	600.27	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	**--**
	05/19/04	10.60	596.69	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	08/11/04	17.77	589.52	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	11/11/04	20.00	587.29	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	02/11/05	**7.28**	**600.01**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<5.0**	**<5,000**	**--**

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Groundwater Monitoring Data and Analytical Results
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122 Leslie Street
Ukiah, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPHd (ug/L)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	T. Lead (ug/L)	TOG (ug/L)	PRE-PURGE D.O. (mg/L)
MW-5												
607.64	08/07/02[1]	17.33	590.31	4,100	210[2]	<0.50	<0.50	<0.50	<0.50	310	<5,000	--
	11/13/02	20.38	587.26	1,100	74	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	02/28/03	7.39	600.25	6,300	<50	<0.50	<0.50	<0.50	<0.50	<75	11,000	--
	04/30/03	4.81	602.83	3,700	<50	<0.50	<0.50	<0.50	<0.50	<75	6,600	--
	08/21/03	14.44	593.20	880[2]	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000	**--**
	11/13/03	21.15	586.49	30,000	61	<0.50	<0.50	<0.50	<0.50	130	7,300	--
	03/15/04	6.92	600.72	1,600[5]	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	**--**
	05/19/04	10.58	597.06	<50	<50	<0.50	<0.50	0.53	1.0	<5.0	17,000	--
	08/11/04	17.92	589.72	8,800[5]	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	11/11/04	20.02	587.62	4,800[5]	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	02/11/05	**7.15**	**600.49**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**5.3**	**<5,000**	**--**
MW-6												
606.60	08/07/02[1]	16.75	589.85	<50[3]	<50	<0.50	<0.50	<0.50	<0.50	260	<5,000	--
	11/13/02	20.57	586.03	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	02/28/03	7.10	599.50	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	04/30/03	4.70	601.90	72	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,200	--
	08/21/03	13.88	592.72	<50	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000	**--**
	11/13/03	21.00	585.60	230	<50	<0.50	<0.50	<0.50	<0.50	190	<5,000	3.08
	03/15/04	6.66	599.94	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	**--**
	05/19/04	10.15	596.45	<50	<50	<0.50	0.56	0.73	2.0	<5.0	<5,000	--
	08/11/04	17.32	589.28	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	11/11/04	19.72	586.88	<50	<50	<0.50	<0.50	<0.50	<1.0	8.3	<5,000	--
	02/11/05	**6.94**	**599.66**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<5.0**	**<5,000**	**--**

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122 Leslie Street
Ukiah, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPHd (ug/L)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	T. Lead (ug/L)	TOG (ug/L)	PRE-PURGE D.O. (mg/L)
MW-7												
607.29	08/07/02[1]	15.50	591.79	56	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	11/13/02	16.58	590.71	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	02/28/03	6.93	600.36	66	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	04/30/03	3.77	603.52	64	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,200	--
	08/21/03	13.39	593.90	<50	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000	**--**
	11/13/03	19.60	587.69	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	0.83
	03/15/04	6.36	600.93	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	**--**
	05/19/04	10.10	597.19	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	08/11/04	16.18	591.11	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	11/11/04	17.05	590.24	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	02/11/05	**6.72**	**600.57**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<5.0**	**<5,000**	**--**
MW-8												
606.53	08/07/02[1]	16.30	590.23	<50[3]	<50	<0.50	<0.50	<0.50	<0.50	190	<5,000	--
	11/13/02	20.15	586.38	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	02/28/03	6.18	600.35	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	04/30/03	3.98	602.55	59	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	08/21/03	13.33	593.20	<50	<50	<0.50	0.56	<0.50	<0.50	<50	<5,000	**--**
	11/13/03	20.60	585.93	140	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000	--
	03/15/04	5.72	600.81	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<5,000	**--**
	05/19/04	9.40	597.13	<50	<50	<0.50	<0.50	0.66	1.9	<5.0	<5,000	--
	08/11/04	16.85	589.68	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	11/11/04	19.07	587.46	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	02/11/05	**6.03**	**600.50**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<5.0**	**<5,000**	**--**

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPHd (ug/L)	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	T. Lead (ug/L)	TOG (ug/L)	PRE-PURGE D.O. (mg/L)
MW-9	08/21/03[1]	14.25	592.42	<50	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000	1.7
606.67	11/13/03	21.45	585.22	55	<50	<0.50	<0.50	<0.50	<0.50	79	<5,000	--
	03/15/04	7.50	599.17	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<5,000	**--**
	05/19/04	10.78	595.89	<50	<50	0.94	0.77	0.95	3.2	<5.0	<5,000	--
	08/11/04	17.67	589.00	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	11/11/04	20.23	586.44	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000	--
	02/11/05	**7.77**	**598.90**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<5,000**	**--**
MW-12												
607.33	NOT MONITORED/NOT SAMPLED			--	--	--	--	--	--	--	--	--
Trip Blank												
QA	08/07/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--
	11/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--
	02/28/03	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--
	04/30/03	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--
	08/21/03	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	**--**	**--**	**--**
	11/13/03	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--
	05/19/04	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--
	08/11/04	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	--
	11/11/04	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	--
	02/11/05	--	--	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

EXPLANATIONS:

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
TPHd = Total Petroleum Hydrocarbons as Diesel
NS* Unable to access well due to parked car
TPHg = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
T. Lead = Total Lead
TOG = Total Oil and Grease
(ppb) = Parts per billion
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank
D.O. = Dissolved Oxygen
mg/L = Milligrams per liter

* TOC elevation for MW-9 was surveyed September 4, 2003, by Morrow Surveying, Inc. referencing the previous benchmark. TOC elevations are referenced to msl, and were surveyed June 24, 2002, by Morrow Surveying, Inc. The benchmark used for the survey was a City of Ukiah benchmark.

1 Well development performed.

2 Laboratory report indicates a hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

3 Laboratory report indicates no sample remained for re-extraction.

4 Although sample contains compounds in the retention time range associated gasoline, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on gasoline.

5 Although sample contains compounds in the retention time range associated diesel, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on diesel.

6 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

ATTACHMENT A

FIELD METHODS AND PROCEDURES

FIELD METHODS AND PROCEDURES

The following section describes field procedures that are to be used by ENSR personnel in the performance of the tasks involved with this project.

1. HEALTH AND SAFETY PLAN

Fieldwork performed by ENSR and ENSR's subcontractors at the site will be conducted according to guidelines established in a Health And Safety Plan (HASP). The HASP is a document that describes the hazards that may be encountered in the field and specifies protective equipment, work procedures and emergency information. A copy of the HASP will be at the site and available for reference by appropriate parties during work at the site.

2. GROUNDWATER DEPTH ASSESSMENT

A water/product interface probe is used to assess the liquid-phase hydrocarbons (LPH) thickness, if present, and a water level indicator is used to measure the groundwater depth in monitoring wells that do not contain LPH. Depth to groundwater or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typically a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for LPH sheen.

3. SUBJECTIVE ANALYSIS OF GROUNDWATER

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

4. MONITORING WELL SAMPLING

Monitoring wells are purged using a pump or bailer until pH, temperature and conductivity of the purge water has stabilized and a minimum of three well volumes of water has been removed. The purge water is placed in 55-gallon drums and temporarily stored on-site pending evaluation of disposal options. If three well volumes cannot be removed in one-half an hour's time, the well is allowed to recharge to 80 percent of original level. After recharging, a groundwater sample is then removed from each of the wells using a pump or disposable bailer. The water sample is collected, labeled and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of according to the accepted regulatory method pertaining to the site.

5. QUALITY ASSURANCE PLAN

This section describes the field and analytical procedures to be followed by ENSR throughout the investigation.

5.1 General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample will be collected in the appropriate container, preserved correctly for the intended analysis and stored, prior to analysis, for no longer than the maximum allowable holding time.

Details on the procedures for collection and handling of soil samples from this project can be found in previous sections.

5.2 Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures ensure sample integrity and document sample possession from the time of collection to its ultimate disposal. Each sample container submitted for analysis will have a label affixed to identify the job number, sampler, date and time of sample collection and a sample number unique to that sample. During soil sampling, this information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel and any other pertinent field observations will be recorded on the borehole log or in the field records.

ATTACHMENT B

GROUNDWATER SAMPLING INFORMATION DATA

ENSR

GROUNDWATER/LIQUID LEVEL DATA
(measurements in feet below TOC)

Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Date: 2/11/05
Recorded by: Tanya Ahsan

Sampling Order/ Well No.	Time Opened	CGI	PID	O2	Time Measured	Depth to Gr. Water	Measured Total Depth	Depth to Product	Product Thickness	Comments (TOC/TOB) (product skimmer in well)
MW-9	1240	N/A	N/A	N/A	1315	7.77	24.61	~~Ø~~	~~Ø~~	TAKE D.O. READING
MW-6	1242				1316	6.94	23.41	~~Ø~~	~~Ø~~	
MW-8	1244				1318	6.03	24.79	~~Ø~~	~~Ø~~	
MW-7	1223				1323	6.72	24.58	~~Ø~~	~~Ø~~	
MW-4	1234				1327	7.28	25.91	~~Ø~~	~~Ø~~	
MW-3	1235				1329	7.64	25.91	~~Ø~~	~~Ø~~	
MW-2	1226				1330	7.37	24.29	~~Ø~~	~~Ø~~	
MW-5	1232				1332	7.15	23.39	~~Ø~~	~~Ø~~	
MW-1	1225				1334	7.67	24.11	~~Ø~~	~~Ø~~	
MW-12	NA	NA	NA	NA	NA	NA	NA	—	under Truck	DO NOT SAMPLE

Notes:

ENSR

GROUNDWATER SAMPLING DATA SHEET
Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Well/Piezo ID: **MW-9**
Well ☒ Piezometer ☐

Well Purging:
Date Purged: 2/11/05
Purge Method: Disposable bailer/other Bailed

Field Tech(s): Tanya Ahwal
Weather Conditions: Sunny 80's

Casing Material:	**pvc**	
Well Diameter:	2.00	in.
Total Depth:	24.61	ft from TOC
Depth to Water:	7.77	ft from TOC
Water Column:	16.84	ft.
Water Column Volume:	2.69	gal (WC X VF)

Volume Factor (VF)					
	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38	
	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80	

(11.13)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 9.43 @ 1437

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
1430	0 .75	9.0	250	15.1	23.3	7.7	140	clear		
1433	1 2.75	7.3	268	14.9	20.9	6.7	150			
1435	2 5.3	7.1	245	15.1	20.0	6.5	400			
1437	3 8.0	8.6	225	15.0	20.1	6.6	500			
	4									

Sample Collection:
Date Sampled: 2/11/05
Sampling Method: Disposable Bailer/Other Bailed
Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-9	3	40-mL VOA	Ice/HCl	TPHg (8015) BTEX (8021)	1440
"	1	1-L Amber	None	TRPH (1664)	"
"	1	250-mL Amber	None	TPHd (8015M)	"
"	1	500-mL Poly	HNO3	Total Lead (6010)	"

Comments 1/8 (8.08)

Signature Tanya J Ahwal Date 2/11/05

ENSR

GROUNDWATER SAMPLING DATA SHEET
Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Well/Piezo ID: **MW-6**
Well ☒ Piezometer ☐

Well Purging:
Date Purged: 2/11/05
Purge Method: Disposable bailer/other Bailed

Field Tech(s): Tanya Ahuja
Weather Conditions: Sunny 80's

Casing Material: PVC
Well Diameter: 2.00 in.
Total Depth: 23.41 ft from TOC
Depth to Water: 6.94 ft from TOC
Water Column: 16.47 ft.
Water Column Volume: 2.6 gal (WC X VF)

Volume	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
Factor (VF)	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

(10.23)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 8.21

Time		Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
1503	0	1.0	9.8	224	13.7	19.5	6.8	300			
1505	1	2.8	8.5	234	13.4	18.9	6.5	450			
1507	2	5.4	7.9	236	13.4	18.9	6.5	670			
1509	3	8.00	8.6	238	13.3	18.9	6.5	730			
	4										

Sample Collection:
Date Sampled: 2/11/05
Sampling Method: Disposable Bailer/Other Bailed
Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-6	3	40-mL VOA	Ice/HCl	TPHg (8015) BTEX (8021)	1519
"	1	1-L Amber	None	TRPH (1664)	"
"	1	250-mL Amber	None	TPHd (8015M)	"
"	1	500-mL Poly	HNO3	Total Lead (6010)	"

Comments [redacted]

Vol (7.9)

Signature Tanya Ahuja Date 2/11/05

ENSR

GROUNDWATER SAMPLING DATA SHEET
Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Well/Piezo ID: **MW-8**
Well ☒ Piezometer ☐

Well Purging:
Date Purged: 2/11/05
Purge Method: Disposable bailer/other Bailed

Field Tech(s): Tanya Ahoval
Weather Conditions: Sunny 70's

Casing Material: PVC
Well Diameter: 2.00 in.
Total Depth: 24.79 ft from TOC
Depth to Water: 6.03 ft from TOC
Water Column: 18.76 ft.
Water Column Volume: 3.0 gal (WC X VF)

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

(9.78)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 7.28

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
1522	0 1.0	10.2	235	12.5	20.7	6.7	230			
1525	1 4.0	8.8	260	12.9	19.5	6.5	560			
1528	2 7.0	8.1	262	13.8	19.5	6.4	620			
1531	3 10.0	8.10	265	13.1	19.2	6.4	640			
	4									

Sample Collection:
Date Sampled: 2/11/05
Sampling Method: Disposable Bailer/Other Bailed
Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW8	3	40-mL VOA	Ice/HCl	TPHg (8015) BTEX (8021)	1532
"	1	1-L Amber	None	TRPH (1664)	"
"	1	250-mL Amber	None	TPHd (8015M)	"
"	1	500-mL Poly	HNO3	Total Lead (6010)	"

Comments Vol (9.0)

Signature Tanya J Ahoval Date 2/11/05

ENSR

GROUNDWATER SAMPLING DATA SHEET
Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Well/Piezo ID: **MW-7**
Well [X] Piezometer [ ]

Well Purging:
Date Purged: 2/11/05
Purge Method: Disposable bailer/other 2" Grundfos

Field Tech(s): Tanya Ahoval
Weather Conditions: Dark 60's

Casing Material: PVC
Well Diameter: 4.00 in.
Total Depth: 24.58 ft from TOC
Depth to Water: 6.72 ft from TOC
Water Column: 17.86 ft.
Water Column Volume: 11.78 gal (WC X VF)

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

(10.29)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 6.94

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
1814	0 5	9.0	119	14.1	20.1	6.5	10			
1816	1 15	7.1	120	14.9	20.6	6.6	39			
1817	2 29	6.9	116	15.0	19.8	6.6	68			
1819	3 30	7.2	118	15.1	19.8	6.6	180			
	4									

Sample Collection:
Date Sampled: 2/11/05
Sampling Method: Disposable Bailer/Other Bailed
Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW7	3	40-mL VOA	Ice/HCl	TPHg (8015) BTEX (8021)	1821
"	1	1-L Amber	None	TRPH (1664)	"
"	1	250-mL Amber	None	TPHd (8015M)	"
"	1	500-mL Poly	HNO3	Total Lead (6010)	"

Comments Vol (35.0

Signature Tanya J Ahoval Date 2/11/05

ENSR

GROUNDWATER SAMPLING DATA SHEET
Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Well/Piezo ID: **MW-4**
Well ☒ Piezometer ☐

Well Purging:
Date Purged: 2/1/05
Purge Method: Disposable bailer/other Bailed

Field Tech(s): Tanya Ahrval
Weather Conditions: Sunny 50's

Casing Material: PVC
Well Diameter: 2.00 in.
Total Depth: 25.91 ft from TOC
Depth to Water: 7.28 ft from TOC
Water Column: 18.63 ft.
Water Column Volume: 2.98 gal (WC X VF)

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

(11.00)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 8.14

Time		Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
1541	0	1.0	7.6	276	15.9	275	6.3	93			
1544	1	3.0	4.0	279	17.0	28.0	6.3	150			
1547	2	6.0	2.1	268	17.0	28.0	6.2	120			
1550	3	9.0	3.0	269	17.0	28.0	6.2	160			
	4										

Sample Collection:
Date Sampled: 2/1/05
Sampling Method: Disposable Bailer/Other Bailed
Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW4	3	40-mL VOA	Ice/HCl	TPHg (8015) BTEX (8021)	1551
"	1	1-L Amber	None	TRPH (1664)	"
"	1	250-mL Amber	None	TPHd (8015M)	"
"	1	500-mL Poly	HNO3	Total Lead (6010)	"

Comments Vol (8.9)

Signature Tanya Ahrval Date 2/4/05

ENSR

GROUNDWATER SAMPLING DATA SHEET
Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Well/Piezo ID: **MW-3**
Well ☒ Piezometer ☐

Well Purging:
Date Purged: 2/11/05
Purge Method: Disposable bailer/other Bailed

Field Tech(s): Tanya Ahoual
Weather Conditions: Sunny 70's

Casing Material: PVC
Well Diameter: 2.00 in.
Total Depth: 24.29 ft from TOC
Depth to Water: 7.64 ft from TOC
Water Column: 18.27 ft.
Water Column Volume: 2.9 gal (WC X VF)

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

(11.29)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 8.21

Time		Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
1603	0	1.0	8.8	275	17.5	38.1	6.5	63			
1605	1	3.0	4.3	273	17.6	38.2	6.5	181			
1607	2	6.0	3.2	274	17.9	38.2	6.4	291			
1609	3	9.0	6.7	207	17.1	425	6.8	600			
	4										

Sample Collection:
Date Sampled: 2/11/05
Sampling Method: Disposable Bailer/Other Bailed
Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW3	3	40-mL VOA	Ice/HCl	TPHg (8015) BTEX (8021)	1610
"	1	1-L Amber	None	TRPH (1664)	"
"	1	250-mL Amber	None	TPHd (8015M)	"
"	1	500-mL Poly	HNO3	Total Lead (6010)	"

Comments Vol (8.7)

Signature Tanya J Ahoual Date 2/11/05

ENSR

GROUNDWATER SAMPLING DATA SHEET
Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Well/Piezo ID: **MW-2**
Well [X] Piezometer [ ]

Well Purging:
Date Purged: 2/11/05
Purge Method: Disposable bailer/other Bailed

Field Tech(s): Tanya Ahrad
Weather Conditions: Dusk Low 60's

Casing Material: PVC
Well Diameter: 2.00 in.
Total Depth: 25.91 ft from TOC
Depth to Water: 7.37 ft from TOC
Water Column: 16.92 ft.
Water Column Volume: 2.70 gal (WC X VF)

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

(10.75)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 8.12

Time	Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
16:59	0 1.0	3.5	-26	16.0	29.2	6.3	340			
17:01	1 2.8	2.5	-19	16.1	29.2	6.3	310			
17:04	2 5.5	1.9	-2	16.0	29.3	6.3	290			
17:07	3 8.2	1.8	-10	15.9	29.4	6.3	270			
	4									

Sample Collection:
Date Sampled: 2/11/05
Sampling Method: Disposable Bailer/Other Bailed
Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW-2	3	40-mL VOA	Ice/HCl	TPHg (8015) BTEX (8021)	1708
"	1	1-L Amber	None	TRPH (1664)	"
"	1	250-mL Amber	None	TPHd (8015M)	"
"	1	500-mL Poly	HNO3	Total Lead (6010)	"

Comments Vol (8.1)

Signature Tanya J Ahrad Date 2/11/05

ENSR

GROUNDWATER SAMPLING DATA SHEET
Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Well/Piezo ID: **MW-5**
Well [X] Piezometer [ ]

Well Purging:
Date Purged: 2/11/05
Purge Method: Disposable bailer/other Bailed

Field Tech(s): Tanya Ahoual
Weather Conditions: Sunny 70's

Casing Material: PVC
Well Diameter: 2.00 in.
Total Depth: 23.39 ft from TOC
Depth to Water: 7.15 ft from TOC
Water Column: 16.24 ft.
Water Column Volume: 2.5 gal (WC X VF)

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

(10.39)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 7.92

Time		Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
1631	0	2.0	9.1	98	16.3	25.7	7.1	280			
1634	1	5.0	4.4	89	16.2	25.6	6.5	260			
1638	2	7.5	5.1	37	16.6	24.4	6.4	400			
1640	3	8.0	6.0	31	16.6	24.0	6.4	490			
	4										

Sample Collection:
Date Sampled: 2/11/05
Sampling Method: Disposable Bailer/Other Bailed
Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
MW5	3	40-mL VOA	Ice/HCl	TPHg (8015) BTEX (8021)	1624
"	1	1-L Amber	None	TRPH (1664)	"
"	1	250-mL Amber	None	TPHd (8015M)	"
"	1	500-mL Poly	HNO3	Total Lead (6010)	"

Comments Vol (7.8)

Signature Tanya J Ahoual Date 2/11/05

ENSR

GROUNDWATER SAMPLING DATA SHEET
Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-100
Unocal No. 813

Well/Piezo ID: **MW-1**

Well [X] Piezometer [ ]

Field Tech(s): Tanya Ahoval

Weather Conditions: Dusk 60's

Well Purging:
Date Purged: 2/11/05
Purge Method: Disposable bailer/other Bailed

Casing Material: PVC
Well Diameter: 2.00 in.
Total Depth: 24.11 ft from TOC
Depth to Water: 7.67 ft from TOC
Water Column: 16.44 ft.
Water Column Volume: 2.63 gal (WC X VF)

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = .16	3" = .38
	4" = .66	5" = 1.02	6" = 1.50	12" = 5.80

(10.95)

80% Recovery from TOC: = Total Depth - (Water Column X .8) = 8.29

Time		Volume Removed (gal)	DO (mg/L)	Redox Potential (ORP) (mVolts)	Temperature (°C)	Specific Conductivity (uS/cm)	pH	Turbidity (NTUs)	Color/Clarity	Other	Other
1748	0	1.0	5.6	-9	16.4	28.5	6.9	19			
1750	1	3.7	3.2	-11	16.5	31.9	6.3	105			
1752	2	6.3	3.1	-18	16.5	32.2	6.4	250			
1755	3	9.0	3.0	-17	16.5	32.2	6.4	300			
	4										

Sample Collection:
Date Sampled: 2/11/05
Sampling Method: Disposable Bailer/Other Bailed
Sample Type: Grab

Sample ID	# of containers	Container Type	Preservation	Analysis	Time
mw-1	3	40-mL VOA	Ice/HCl	TPHg (8015) BTEX (8021)	1800
}	1	1-L Amber	None	TRPH (1664)	
	1	250-mL Amber	None	TPHd (8015M)	}
	1	500-mL Poly	HNO3	Total Lead (6010)	

Comments Vol (7.9)

Signature Tanya J Ahoval Date 2/11/05

ATTACHMENT C

LABORATORY ANALYTICAL RESULTS WITH CHAIN-OF-CUSTODY DOCUMENTATION

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

February 21, 2005

CLS Work Order #: COB0432
COC #: None

Mark Naugle
ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project Name: Frmr. Unocal #0813, 122 Leslie St.
Ukiah, Ca.

Enclosed are the results of analyses for samples received by the laboratory on 02/12/05 11:10. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento	Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.	**CLS Work Order #: COB0432**
10411 Old Placerville Rd., Suite 210	Project Number: 06940-264-100	COC #: None
Sacramento, CA 95827-2508	Project Manager: Mark Naugle	

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COB0432-01) Water Sampled: 02/11/05 18:00 Received: 02/12/05 11:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CO01195	02/15/05	02/15/05	EPA 1664 w/ SGT	
MW-2 (COB0432-02) Water Sampled: 02/11/05 17:08 Received: 02/12/05 11:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CO01195	02/15/05	02/15/05	EPA 1664 w/ SGT	
MW-3 (COB0432-03) Water Sampled: 02/11/05 16:16 Received: 02/12/05 11:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CO01195	02/15/05	02/15/05	EPA 1664 w/ SGT	
MW-4 (COB0432-04) Water Sampled: 02/11/05 15:51 Received: 02/12/05 11:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CO01195	02/15/05	02/15/05	EPA 1664 w/ SGT	
MW-5 (COB0432-05) Water Sampled: 02/11/05 16:42 Received: 02/12/05 11:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CO01195	02/15/05	02/15/05	EPA 1664 w/ SGT	
MW-6 (COB0432-06) Water Sampled: 02/11/05 15:14 Received: 02/12/05 11:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CO01195	02/15/05	02/15/05	EPA 1664 w/ SGT	
MW-7 (COB0432-07) Water Sampled: 02/11/05 18:21 Received: 02/12/05 11:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CO01195	02/15/05	02/15/05	EPA 1664 w/ SGT	
MW-8 (COB0432-08) Water Sampled: 02/11/05 15:32 Received: 02/12/05 11:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CO01195	02/15/05	02/15/05	EPA 1664 w/ SGT	
MW-9 (COB0432-09) Water Sampled: 02/11/05 14:40 Received: 02/12/05 11:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CO01195	02/15/05	02/15/05	EPA 1664 w/ SGT	

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mark Naugle

CLS Work Order #: COB0432
COC #: None

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COB0432-01) Water	**Sampled: 02/11/05 18:00**	**Received: 02/12/05 11:10**							
Diesel	**11**	0.25	mg/L	5	CO01188	02/15/05	02/15/05	EPA 8015M	
MW-2 (COB0432-02) Water	**Sampled: 02/11/05 17:08**	**Received: 02/12/05 11:10**							
Diesel	**0.34**	0.050	mg/L	1	CO01188	02/15/05	02/15/05	EPA 8015M	
MW-3 (COB0432-03) Water	**Sampled: 02/11/05 16:16**	**Received: 02/12/05 11:10**							
Diesel	**0.23**	0.050	mg/L	1	CO01188	02/15/05	02/15/05	EPA 8015M	
MW-4 (COB0432-04) Water	**Sampled: 02/11/05 15:51**	**Received: 02/12/05 11:10**							
Diesel	ND	0.050	mg/L	1	CO01188	02/15/05	02/15/05	EPA 8015M	
MW-5 (COB0432-05) Water	**Sampled: 02/11/05 16:42**	**Received: 02/12/05 11:10**							
Diesel	ND	0.050	mg/L	1	CO01188	02/15/05	02/15/05	EPA 8015M	
MW-6 (COB0432-06) Water	**Sampled: 02/11/05 15:14**	**Received: 02/12/05 11:10**							
Diesel	ND	0.050	mg/L	1	CO01188	02/15/05	02/15/05	EPA 8015M	
MW-7 (COB0432-07) Water	**Sampled: 02/11/05 18:21**	**Received: 02/12/05 11:10**							
Diesel	ND	0.050	mg/L	1	CO01188	02/15/05	02/15/05	EPA 8015M	
MW-8 (COB0432-08) Water	**Sampled: 02/11/05 15:32**	**Received: 02/12/05 11:10**							
Diesel	ND	0.050	mg/L	1	CO01188	02/15/05	02/15/05	EPA 8015M	
MW-9 (COB0432-09) Water	**Sampled: 02/11/05 14:40**	**Received: 02/12/05 11:10**							
Diesel	ND	0.050	mg/L	1	CO01188	02/15/05	02/15/05	EPA 8015M	

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mark Naugle

CLS Work Order #: COB0432
COC #: None

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COB0432-01) Water Sampled: 02/11/05 18:00 Received: 02/12/05 11:10									
Gasoline	**610**	50	µg/L	1	CO01246	02/16/05	02/16/05	8015M/8021B	D-12, GAS-1
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	**0.62**	0.50	"	"	"	"	"	"	
Ethylbenzene	**2.5**	0.50	"	"	"	"	"	"	
Xylenes (total)	**3.4**	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)	*156 %*	*65-135*			"	"	"	"	*S-04*
MW-2 (COB0432-02) Water Sampled: 02/11/05 17:08 Received: 02/12/05 11:10									
Gasoline	**84**	50	µg/L	1	CO01191	02/15/05	02/15/05	8015M/8021B	GAS-1
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	**0.87**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.5**	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)	*136 %*	*65-135*			"	"	"	"	*S-04*
MW-3 (COB0432-03) Water Sampled: 02/11/05 16:16 Received: 02/12/05 11:10									
Gasoline	ND	50	µg/L	1	CO01191	02/15/05	02/15/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	**0.59**	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.82**	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)	*102 %*	*65-135*			"	"	"	"	
MW-4 (COB0432-04) Water Sampled: 02/11/05 15:51 Received: 02/12/05 11:10									
Gasoline	ND	50	µg/L	1	CO01191	02/15/05	02/15/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)	*97.5 %*	*65-135*			"	"	"	"	

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento	Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.	**CLS Work Order #: COB0432**
10411 Old Placerville Rd., Suite 210	Project Number: 06940-264-100	COC #: None
Sacramento, CA 95827-2508	Project Manager: Mark Naugle	

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (COB0432-05) Water Sampled: 02/11/05 16:42 Received: 02/12/05 11:10									
Gasoline	ND	50	µg/L	1	CO01191	02/15/05	02/15/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*92.0 %*	*65-135*		"	"	"	"	
MW-6 (COB0432-06) Water Sampled: 02/11/05 15:14 Received: 02/12/05 11:10									
Gasoline	ND	50	µg/L	1	CO01191	02/15/05	02/15/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*93.5 %*	*65-135*		"	"	"	"	
MW-7 (COB0432-07) Water Sampled: 02/11/05 18:21 Received: 02/12/05 11:10									
Gasoline	ND	50	µg/L	1	CO01191	02/15/05	02/15/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*95.5 %*	*65-135*		"	"	"	"	
MW-8 (COB0432-08) Water Sampled: 02/11/05 15:32 Received: 02/12/05 11:10									
Gasoline	ND	50	µg/L	1	CO01191	02/15/05	02/15/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*100 %*	*65-135*		"	"	"	"	

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento	Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.	**CLS Work Order #: COB0432**
10411 Old Placerville Rd., Suite 210	Project Number: 06940-264-100	COC #: None
Sacramento, CA 95827-2508	Project Manager: Mark Naugle	

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (COB0432-09) Water Sampled: 02/11/05 14:40 Received: 02/12/05 11:10									
Gasoline	ND	50	µg/L	1	CO01191	02/15/05	02/15/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*87.5 %*	*65-135*		*"*	*"*	*"*	*"*	
QA (COB0432-10) Water Sampled: 01/25/05 12:00 Received: 02/12/05 11:10									**HT-1**
Gasoline	ND	50	µg/L	1	CO01191	02/15/05	02/15/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*94.0 %*	*65-135*		*"*	*"*	*"*	*"*	

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mark Naugle

CLS Work Order #: COB0432
COC #: None

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COB0432-01) Water	**Sampled: 02/11/05 18:00**	**Received: 02/12/05 11:10**							
Lead	ND	5.0	µg/L	1	CO01125	02/14/05	02/14/05	EPA 200.8	
MW-2 (COB0432-02) Water	**Sampled: 02/11/05 17:08**	**Received: 02/12/05 11:10**							
Lead	ND	5.0	µg/L	1	CO01125	02/14/05	02/14/05	EPA 200.8	
MW-3 (COB0432-03) Water	**Sampled: 02/11/05 16:16**	**Received: 02/12/05 11:10**							
Lead	ND	5.0	µg/L	1	CO01125	02/14/05	02/14/05	EPA 200.8	
MW-4 (COB0432-04) Water	**Sampled: 02/11/05 15:51**	**Received: 02/12/05 11:10**							
Lead	ND	5.0	µg/L	1	CO01125	02/14/05	02/14/05	EPA 200.8	
MW-5 (COB0432-05) Water	**Sampled: 02/11/05 16:42**	**Received: 02/12/05 11:10**							
Lead	**5.3**	5.0	µg/L	1	CO01125	02/14/05	02/14/05	EPA 200.8	
MW-6 (COB0432-06) Water	**Sampled: 02/11/05 15:14**	**Received: 02/12/05 11:10**							
Lead	ND	5.0	µg/L	1	CO01125	02/14/05	02/14/05	EPA 200.8	
MW-7 (COB0432-07) Water	**Sampled: 02/11/05 18:21**	**Received: 02/12/05 11:10**							
Lead	ND	5.0	µg/L	1	CO01125	02/14/05	02/14/05	EPA 200.8	
MW-8 (COB0432-08) Water	**Sampled: 02/11/05 15:32**	**Received: 02/12/05 11:10**							
Lead	ND	5.0	µg/L	1	CO01125	02/14/05	02/14/05	EPA 200.8	
MW-9 (COB0432-09) Water	**Sampled: 02/11/05 14:40**	**Received: 02/12/05 11:10**							
Lead	ND	5.0	µg/L	1	CO01125	02/14/05	02/14/05	EPA 200.8	

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento	Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.	**CLS Work Order #: COB0432**
10411 Old Placerville Rd., Suite 210	Project Number: 06940-264-100	COC #: None
Sacramento, CA 95827-2508	Project Manager: Mark Naugle	

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO01195 - Solvent Extract										
Blank (CO01195-BLK1)				Prepared & Analyzed: 02/15/05						
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L							
LCS (CO01195-BS1)				Prepared & Analyzed: 02/15/05						
Hexane Extractable Material (HEM)	40.5	5.0	mg/L	40.0		101	80-120			
LCS Dup (CO01195-BSD1)				Prepared & Analyzed: 02/15/05						
Hexane Extractable Material (HEM)	40.1	5.0	mg/L	40.0		100	80-120	0.993	20	

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento	Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.	**CLS Work Order #: COB0432**
10411 Old Placerville Rd., Suite 210	Project Number: 06940-264-100	COC #: None
Sacramento, CA 95827-2508	Project Manager: Mark Naugle	

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO01188 - EPA 3510B GCNV										
Blank (CO01188-BLK1)				Prepared & Analyzed: 02/15/05						
Diesel	ND	0.050	mg/L							
LCS (CO01188-BS1)				Prepared & Analyzed: 02/15/05						
Diesel	2.32	0.050	mg/L	2.50		92.8	65-135			
LCS Dup (CO01188-BSD1)				Prepared & Analyzed: 02/15/05						
Diesel	2.41	0.050	mg/L	2.50		96.4	65-135	3.81	30	

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento	Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.	**CLS Work Order #: COB0432**
10411 Old Placerville Rd., Suite 210	Project Number: 06940-264-100	COC #: None
Sacramento, CA 95827-2508	Project Manager: Mark Naugle	

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO01191 - EPA 5030 Water GC										
Blank (CO01191-BLK1)				Prepared & Analyzed: 02/15/05						
Gasoline	ND	50	µg/L							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: o-Chlorotoluene (BTEX)	*20.2*		*"*	*20.0*		*101*	*65-135*			
Surrogate: o-Chlorotoluene (Gas)	*19.9*		*"*	*20.0*		*99.5*	*65-135*			
LCS (CO01191-BS1)				Prepared & Analyzed: 02/15/05						
Gasoline	549	50	µg/L	500		110	65-135			
Surrogate: o-Chlorotoluene (Gas)	*22.2*		*"*	*20.0*		*111*	*65-135*			
LCS Dup (CO01191-BSD1)				Prepared & Analyzed: 02/15/05						
Gasoline	485	50	µg/L	500		97.0	65-135	12.4	30	
Surrogate: o-Chlorotoluene (Gas)	*19.4*		*"*	*20.0*		*97.0*	*65-135*			
Matrix Spike (CO01191-MS1)		**Source: COB0432-09**		Prepared & Analyzed: 02/15/05						
Gasoline	492	50	µg/L	500	ND	98.4	65-135			
Surrogate: o-Chlorotoluene (Gas)	*20.8*		*"*	*20.0*		*104*	*65-135*			
Matrix Spike Dup (CO01191-MSD1)		**Source: COB0432-09**		Prepared & Analyzed: 02/15/05						
Gasoline	520	50	µg/L	500	ND	104	65-135	5.53	30	
Surrogate: o-Chlorotoluene (Gas)	*21.7*		*"*	*20.0*		*108*	*65-135*			
Batch CO01246 - EPA 5030 Water GC										
Blank (CO01246-BLK1)				Prepared & Analyzed: 02/16/05						
Gasoline	ND	50	µg/L							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento
10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mark Naugle

CLS Work Order #: COB0432
COC #: None

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO01246 - EPA 5030 Water GC										
Blank (CO01246-BLK1)				Prepared & Analyzed: 02/16/05						
Surrogate: o-Chlorotoluene (BTEX)	*20.3*		*µg/L*	*20.0*		*102*	*65-135*			
Surrogate: o-Chlorotoluene (Gas)	*19.6*		*"*	*20.0*		*98.0*	*65-135*			
LCS (CO01246-BS1)				Prepared & Analyzed: 02/16/05						
Benzene	21.7	0.50	µg/L	20.0		108	70-140			
Toluene	21.0	0.50	"	20.0		105	70-140			
Ethylbenzene	20.4	0.50	"	20.0		102	70-140			
Xylenes (total)	62.2	1.0	"	60.0		104	70-140			
Surrogate: o-Chlorotoluene (BTEX)	*19.7*		*"*	*20.0*		*98.5*	*65-135*			
LCS Dup (CO01246-BSD1)				Prepared & Analyzed: 02/16/05						
Benzene	22.1	0.50	µg/L	20.0		110	70-140	1.83	30	
Toluene	20.9	0.50	"	20.0		104	70-140	0.477	30	
Ethylbenzene	20.4	0.50	"	20.0		102	70-140	0.00	30	
Xylenes (total)	62.7	1.0	"	60.0		104	70-140	0.801	30	
Surrogate: o-Chlorotoluene (BTEX)	*19.9*		*"*	*20.0*		*99.5*	*65-135*			
Matrix Spike (CO01246-MS1)		**Source: COB0457-04**		Prepared & Analyzed: 02/16/05						
Benzene	22.0	0.50	µg/L	20.0	ND	110	60-140			
Toluene	21.2	0.50	"	20.0	0.63	103	60-140			
Ethylbenzene	20.3	0.50	"	20.0	ND	102	60-140			
Xylenes (total)	61.5	1.0	"	60.0	ND	102	60-140			
Surrogate: o-Chlorotoluene (BTEX)	*19.7*		*"*	*20.0*		*98.5*	*65-135*			
Matrix Spike Dup (CO01246-MSD1)		**Source: COB0457-04**		Prepared & Analyzed: 02/16/05						
Benzene	22.3	0.50	µg/L	20.0	ND	112	60-140	1.35	30	
Toluene	21.0	0.50	"	20.0	0.63	102	60-140	0.948	30	
Ethylbenzene	20.6	0.50	"	20.0	ND	103	60-140	1.47	30	
Xylenes (total)	62.4	1.0	"	60.0	ND	104	60-140	1.45	30	
Surrogate: o-Chlorotoluene (BTEX)	*19.8*		*"*	*20.0*		*99.0*	*65-135*			

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

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10411 Old Placerville Rd., Suite 210
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mark Naugle

CLS Work Order #: COB0432
COC #: None

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO01125 - EPA 3020A										
Blank (CO01125-BLK1)				Prepared & Analyzed: 02/14/05						
Lead	ND	5.0	µg/L							
LCS (CO01125-BS1)				Prepared & Analyzed: 02/14/05						
Lead	102	5.0	µg/L	100		102	80-120			
LCS Dup (CO01125-BSD1)				Prepared & Analyzed: 02/14/05						
Lead	102	5.0	µg/L	100		102	80-120	0.00	20	
Matrix Spike (CO01125-MS1)		**Source: COB0345-01**		Prepared & Analyzed: 02/14/05						
Lead	106	5.0	µg/L	100	ND	106	75-125			
Matrix Spike Dup (CO01125-MSD1)		**Source: COB0345-01**		Prepared & Analyzed: 02/14/05						
Lead	106	5.0	µg/L	100	ND	106	75-125	0.00	25	

CALIFORNIA LABORATORY SERVICES

02/21/05 14:32

ENSR - Sacramento	Project: Frmr. Unocal #0813, 122 Leslie St, Ukiah, Ca.	**CLS Work Order #: COB0432**
10411 Old Placerville Rd., Suite 210	Project Number: 06940-264-100	COC #: None
Sacramento, CA 95827-2508	Project Manager: Mark Naugle	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
HT-1	The sample was received outside of the EPA recommended holding time.
GAS-1	Although sample contains compounds in the retention time range associated with gasoline, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on gasoline.
D-12	Results in the Gasoline Range are primarily due to overlap from a heavier fuel hydrocarbon product.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY

COB0432 Page 1 of

Lab: CLS

TAT: Standard

Report results to:

Name: Mark Naugle
Company: ENSR
Mailing Address: 10411 Old Placerville Road
City, State, Zip: Sacramento, CA 95827-2508
Telephone No.: 916-362-7100
Fax No.: 916-362-8100

Project Information

Site Address: 122 Leslie St., Ukiah, CA
ENSR No.: 06940-264-100
Unocal No.: 813
Global ID No.: T0604593441

Special instructions and/or specific regulatory requirements:

Sample Identification	Date Sampled	Time Sampled	Matrix/ Media	No. of Conts.	Analyses Requested: TPHg 8015	BTEX 8021B	TRPH 1664	Total Lead 6010	TPHd 8015							Sample Condition/Comments	Preservative
MW-1	2/11/05	18:00	GW	6	X	X	X	X	X								HCl/HNO3
MW-2	2/11/05	17:08	GW	6	X	X	X	X	X								HCl/HNO3
MW-3	2/11/05	1616	GW	6	X	X	X	X	X								HCl/HNO3
MW-4	2/11/05	1551	GW	6	X	X	X	X	X								HCl/HNO3
MW-5	2/11/05	1642	GW	6	X	X	X	X	X								HCl/HNO3
MW-6	2/11/05	1514	GW	6	X	X	X	X	X								HCl/HNO3
MW-7	2/11/05	1821	GW	6	X	X	X	X	X								HCl/HNO3
MW-8	2/11/05	1532	GW	6	X	X	X	X	X								HCl/HNO3
MW-9	2/11/05	1440	GW	6	X	X	X	X	X								HCl/HNO3
QA	11/25/05	1200	Liquid	2	X	X											HCl

Collected by: Tanya Arvidal **Date/Time** 2/11/05 1514 **Collector's Signature:** [signature] **Date/Time** 2/11/05 18:21

Relinquished by: [signature] **Date/Time** 2/12/05 0845 **Received by:** [signature] **Date/Time** 2/12/05 0845

Relinquished by: [signature] **Date/Time** 2/15/05 1110 **Received by:** _____ **Date/Time** _____

Method of Shipment: _____ **Sample Condition on Rcpt:** _____

*